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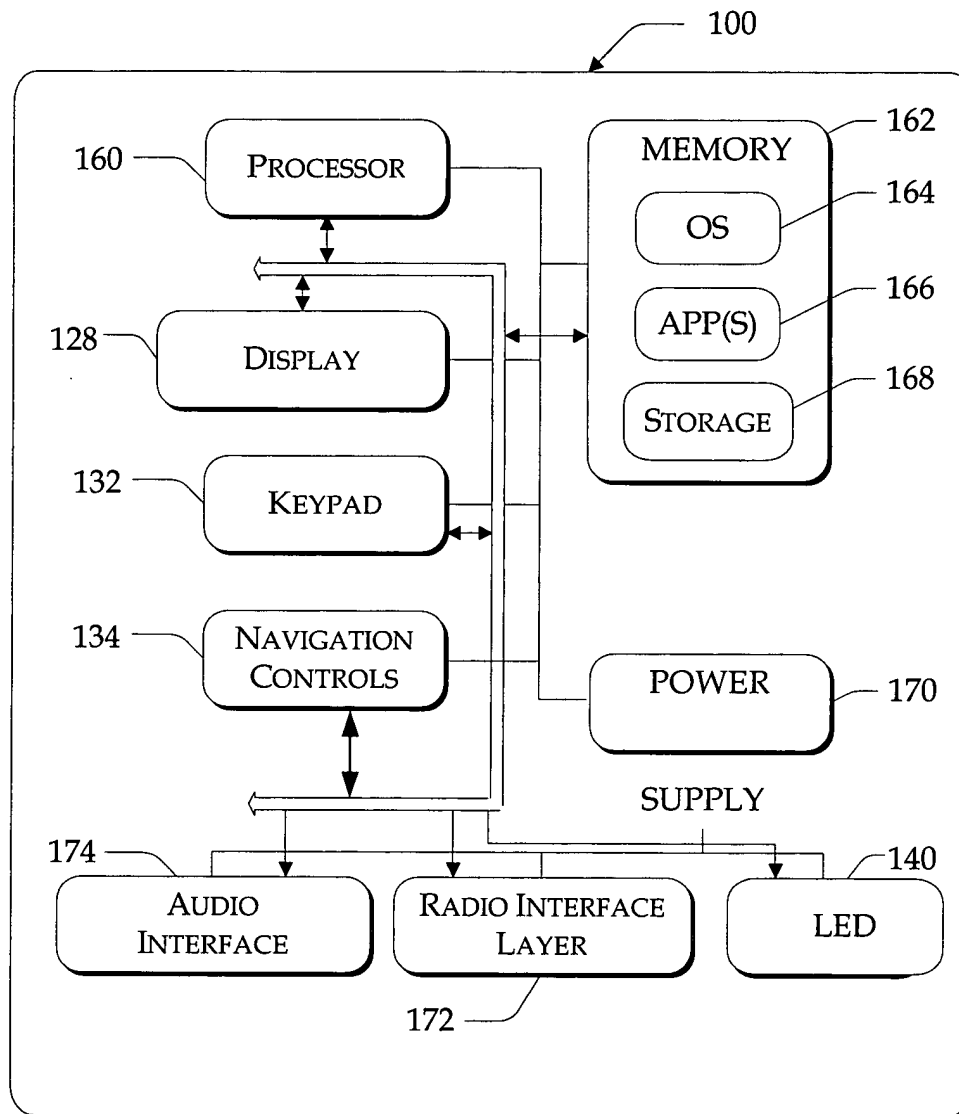


Fig.1

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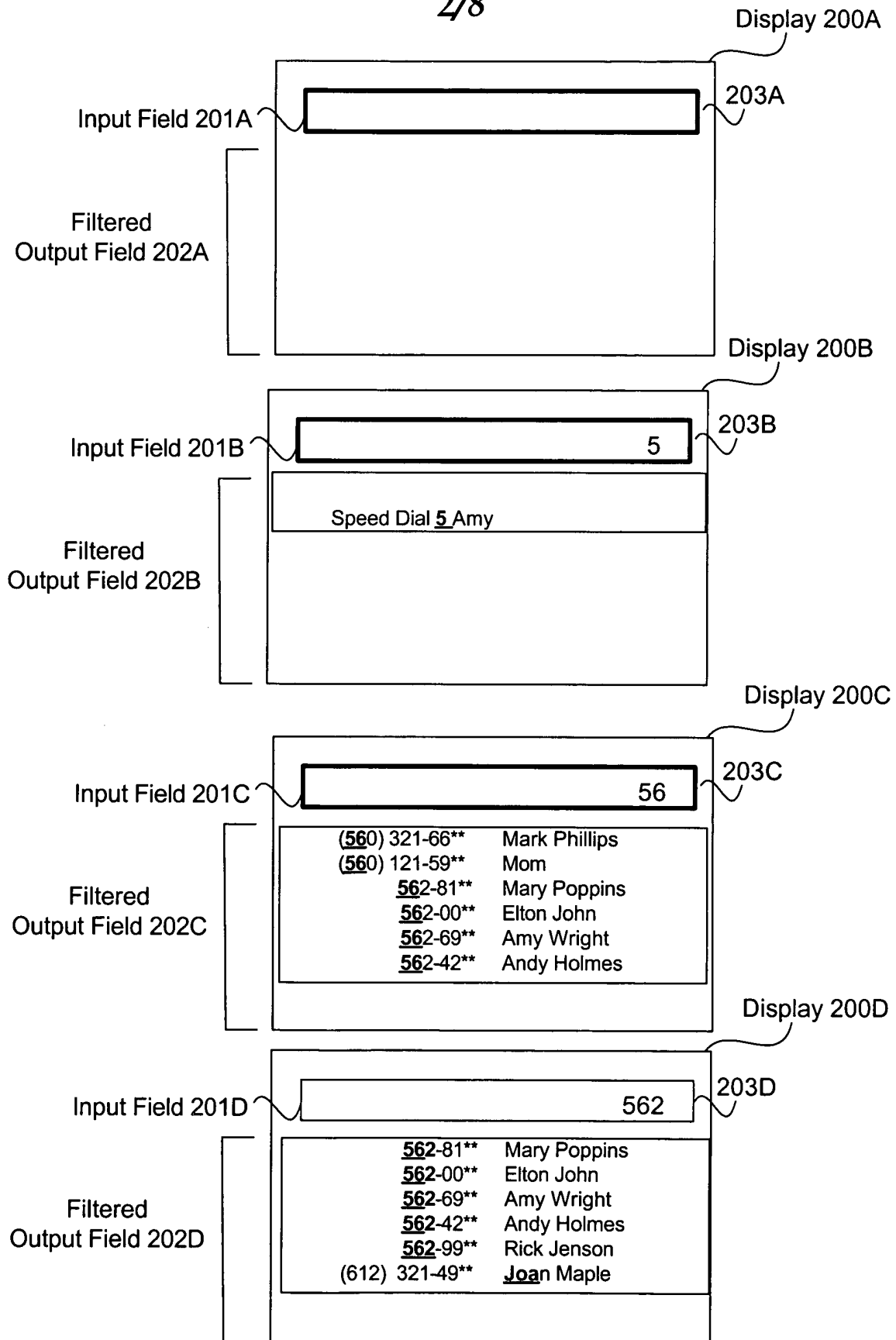


Fig. 2

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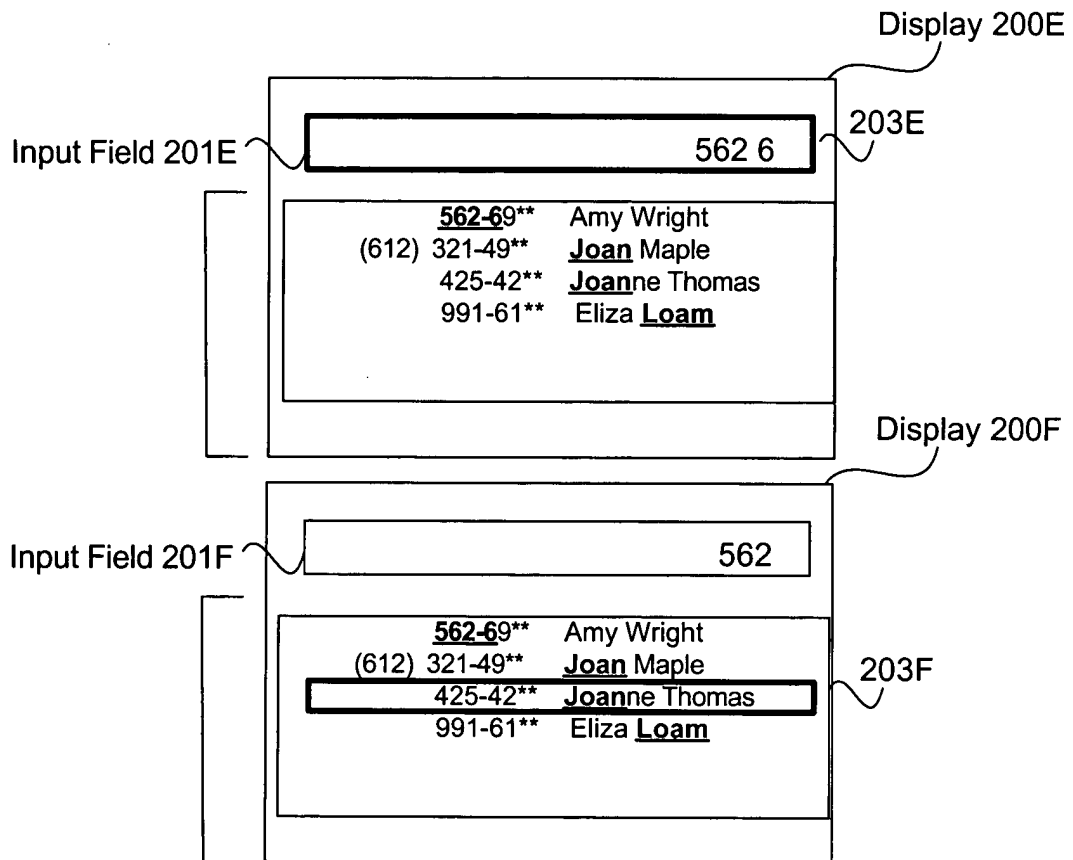


Fig. 2

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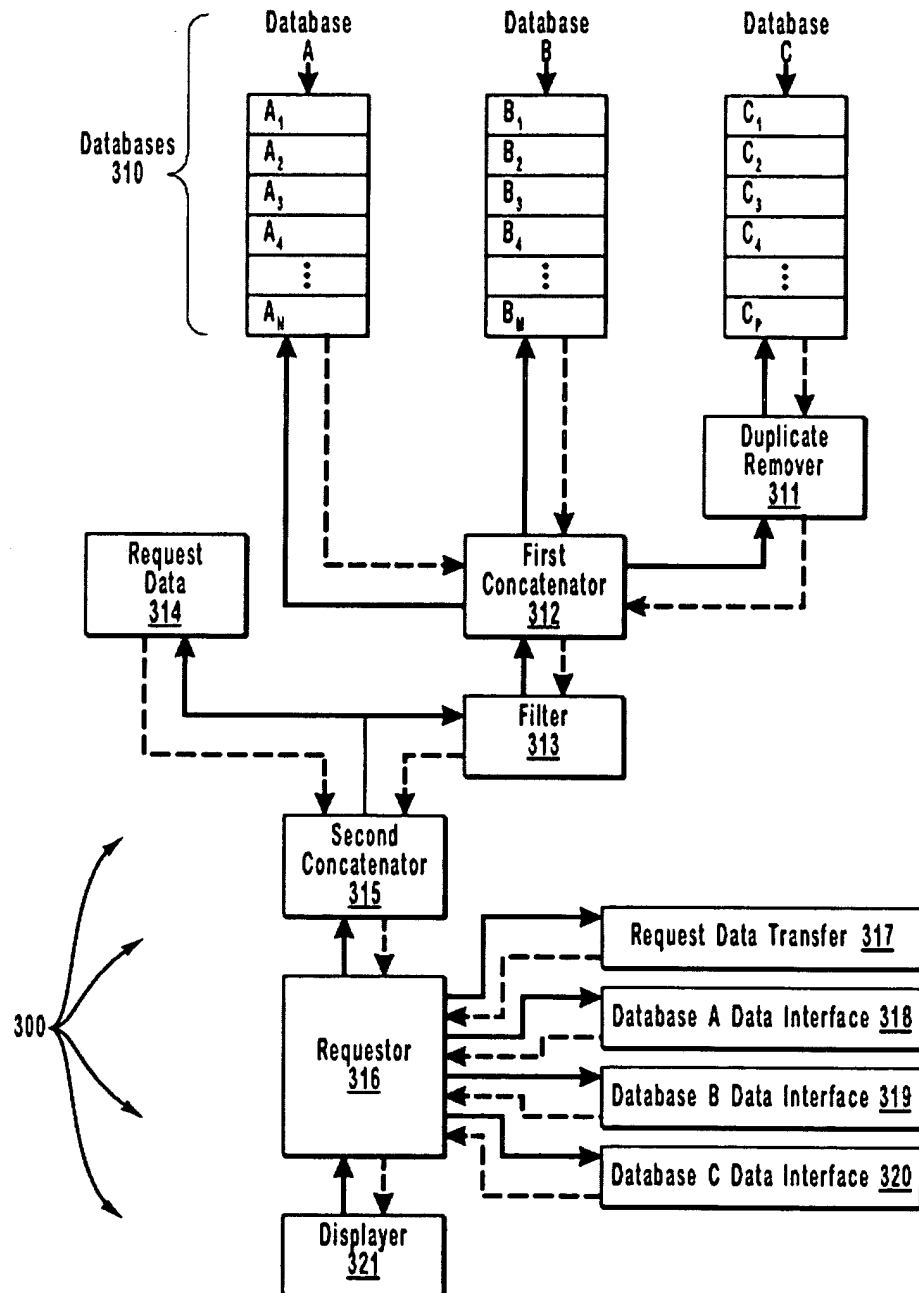


Fig. 3

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Duplicate
Remover
Output
401

C ₁
C ₃
C ₁₂
C ₈₈

Fig. 4A

First
Concatenator
Output
402

A ₁	From Database A
A ₂	
A ₃	
A ₄	
⋮	
A _n	From Database B
B ₁	
B ₂	
B ₃	
B ₄	
⋮	From Database C with Duplicator Removed
B _n	
C ₁	
C ₃	
C ₁₂	
C ₈₈	

Fig. 4B

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Filter Output 403

A ₁₇
A ₃₅
A ₉₇
A ₉₈
A ₁₀₃
A ₂₀₂
B ₂
B ₇
B ₈
B ₉
B ₁₃
B ₁₄
B ₁₆
B ₁₉
B ₂₅
C ₁₂

Fig. 4C

Second Concatenator Output 404

Request
A ₁₇
A ₃₅
A ₉₇
A ₉₈
A ₁₀₃
A ₂₀₂
B ₂
B ₇
B ₈
B ₉
B ₁₃
B ₁₄
B ₁₆
B ₁₉
B ₂₅
C ₁₂

Fig. 4D

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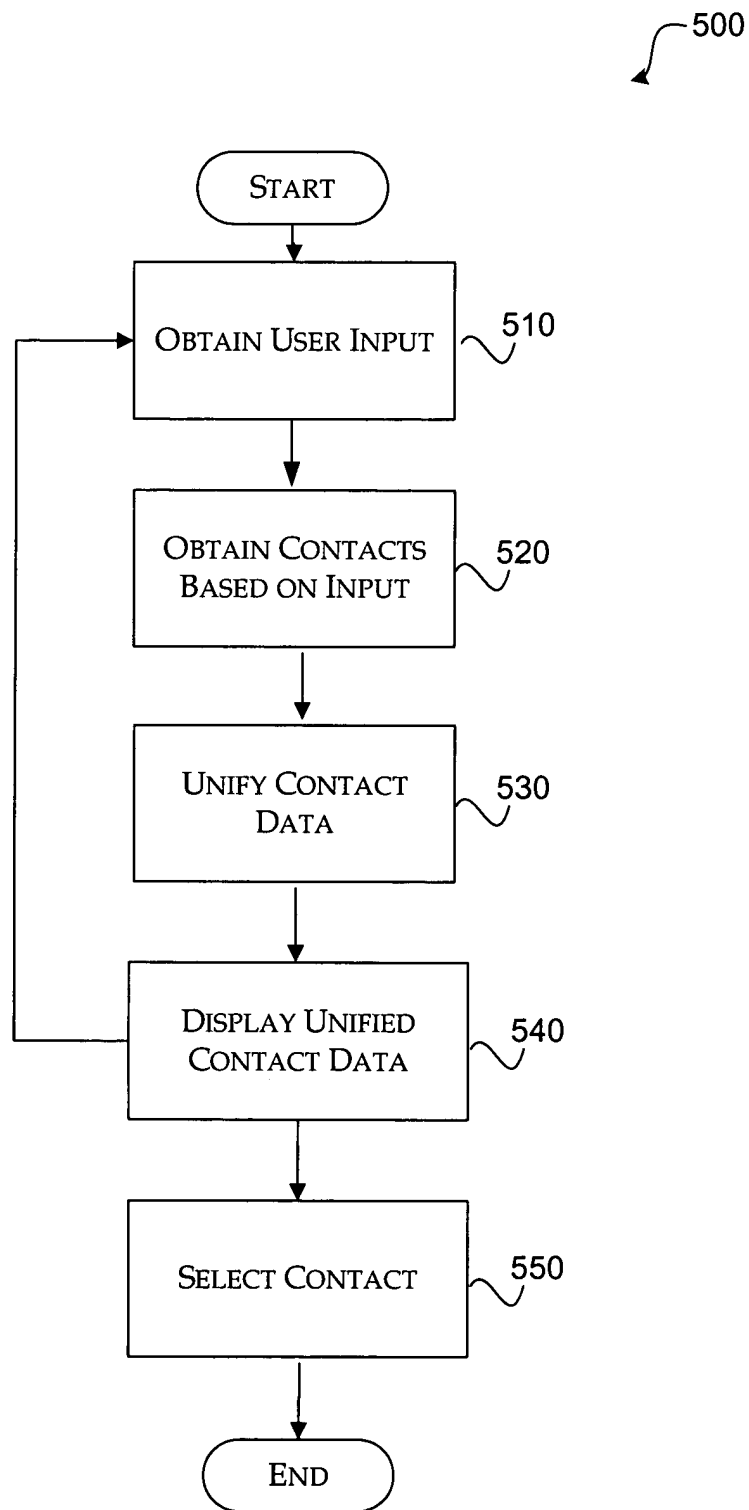


Fig. 5

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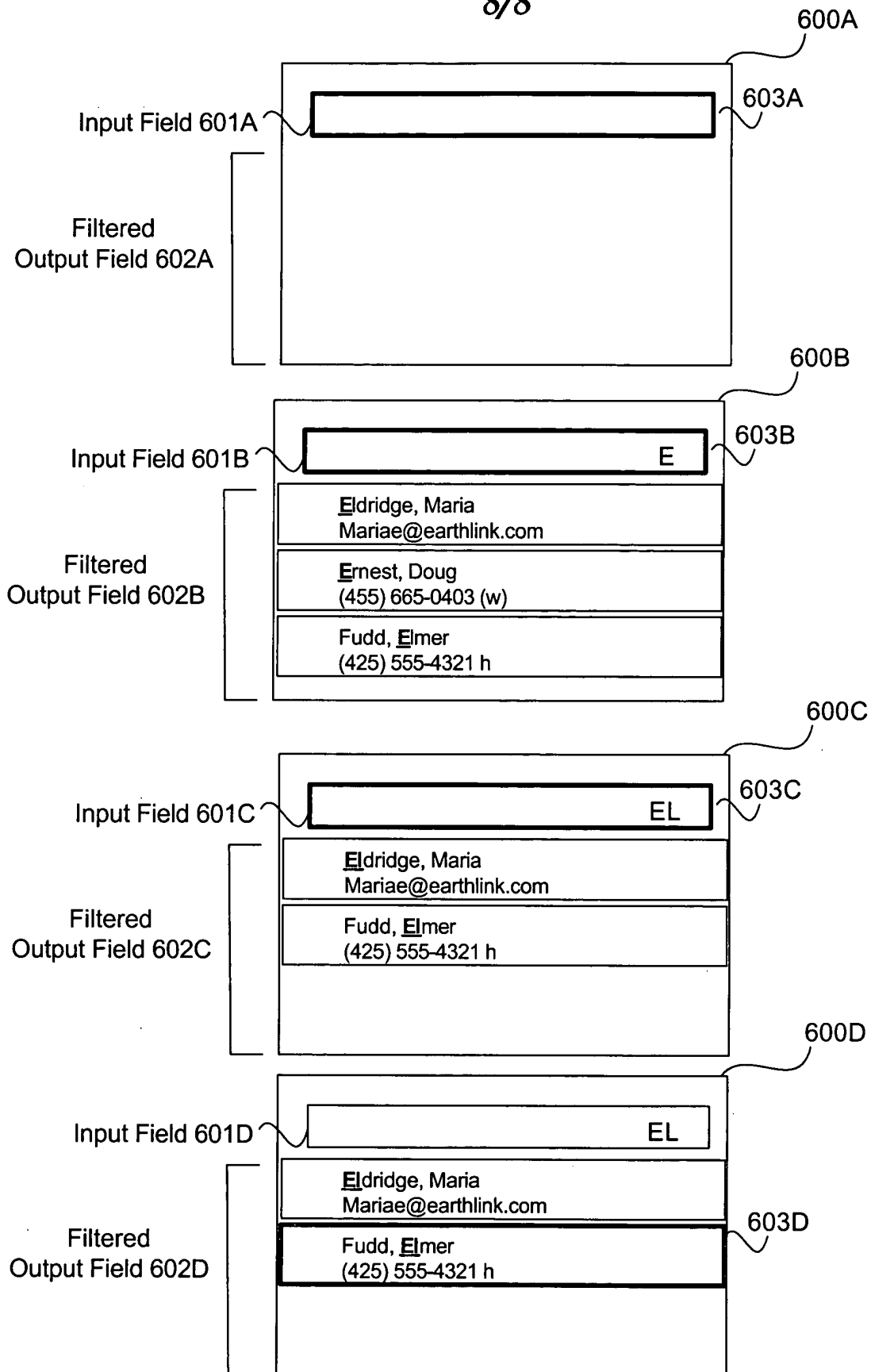


Fig. 6